

**Amendments to the Specification:**

Please amend the paragraph starting at page 9, line 6 as follows:

In other words, by using using a certain cartridge 2, and by driving the circuit 1 with a current I until a prefixed voltage  $V_x$  is obtained, depending for instance on the dynamics of the A/D conversion equipment ~~30-29~~, a driving time  $T_{p1}$  is obtained, that can easily be measured by means of a digital counter ~~29-30~~ and stored in a memory, for instance in a memory 16 (FIG. 1, 2) located on board the cartridge itself.

Please amend the paragraph starting at page 9, line 12 as follows:

Afterwards, as the ink in the cartridge 2 is gradually used for printing, by subsequently driving the circuit 1 with a pulse of current I of duration equal to the time  $T_{p1}$ , corresponding values of the voltage drop  ~~$V_p$~~   $V_x$  may be measured, which will give a true representation of the pattern of the level of the ink as they are no longer affected by the influences of the parasitic parameters, now automatically compensated for by the value of  $T_{p1}$ . Therefore in this mode of operation of the circuit 1, just described, the voltage drop on the terminals of the ~~resistance-R~~ capacitor 13 is truly representative of the level of ink contained in the cartridge 2.

Please amend the paragraph starting at page 10, line 9 as follows:

step 3): the counter ~~29-30~~ is used to measure the driving time  $T_p$  used to reach a voltage  $V_x$  that is fixed in advance and suitable for the characteristics of the converting/measuring device ~~30-29~~ used for digitizing and measuring the voltages;

Please amend the paragraph starting at page 11, line 1 as follows:

step 6): the detecting circuit 1 is powered with a pulse of current I of duration equal to the driving time  $T_p$ , taken from the memory 16, and the voltage drop  ~~$V_p$~~   $V_x$  on the terminals of the ~~resistance-R~~ capacitor 13 is measured, before being converted by the converter 30, connected to the control unit or CPU;

Please amend the paragraph starting at on page 11, line 6 as follows:

step 7): the measurement of  $V_p/V_x$  is associated with the temperature of 20.degree., in such a way as to obtain the corresponding value of the level of ink, converted according to a suitable scale;

Please amend the paragraph starting at on page 11, line 11 as follows:

step 9): the cartridge 2 is replaced when a voltage drop  $V_p/V_x$  is detected on the ~~resistance  $R_s$~~  capacitor 13 equal to or less than a previously calculated limit value, indicative of a situation of cartridge empty.